Setting up of Atomic Power Plant in Orissa

4852. SHRI RAHASBIHARI BARIK : Will the PRIME MINISTER be pleased to state :

(a) what is the number of atomic power plants set up in the country, so far;

(b) whether Government have any proposal to set up an atomic power plant in Orissa;

(c) if so, the place identified for the purpose; and

(d) what are the details of steps taken to set up the plant ?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI BHUVNESH CHATURVEDI) : (a) The nuclear power stations in operation at present are listed below :

Name of the Atomic Power Station (APS)	Capacity MWe
Tarapur —1	160
Tarapur —2	160
Rajasthan—1	100
Rajasthan—2	200
Madras—1	220
Madras—2	220
Narora—1	220
Narora—2	220
Kakrapar—1	220
TOTAL	1720

In addition there are five units with a total capacity of 1100 MWe which are under construction.

(b) No, Sir.

(c) and (d) Do not arise.

Taps under International Safeguards

4853. SHRI KRISHNA KUMAR BIRLA: Will the PRIME MINISTER be pleased to state :

(a) whether Government have volunteered to keep the Tarapur Nuclear Power Plant under international safeguards even though it is not legally bound to do so; and

(b) if so, what are the reasons therefor, stating the implications involved in accepting the continued international safeguards for Tarapur plant ?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI BHUVNESH CHATURVEDI) : (a) and (b) As a confidence building measure, the Government made a voluntary offer for application of safeguards on the nuclear material in Tarapur Atomic Power Station (TAPS). Accordingly a bilateral safeguards Agreements with the International Atomic Energy Agency (IAEA) came into effect on 1-3-1994.

As per the safeguards agreement which came into effect on 1-3-1994, the IAEA would continue its safeguards inspections in TAPS to ensure that the nuclear material subject to the safeguards agreement are used exclusively for peaceful purposes.

Setting up of more Nuclear Reactors

4854. DR. SHRIKANT RAMCHANDRA JICHKAR : Will the PRIME MINISTER be pleased to state :

(a) how many more nuclear reactors are likely to be set up in the country during the next five years;

(b) what are the names of places where these would be set up;

(c) what is the financial cost likely to be incurred thereon; and

(d) by when the work on this reactor is likely to commence and be completed ?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI BHUVNESH CHATURVEDI) : (a) and (b) The nuclear power projects under construction are Kakrapar Unit-2 (220 MWe capacity) in Gujarat, Kaiga Units 1 & 2 (2×220 MWe) in Karnataka and Rajasthan Units 3 & 4 (2×220 MWe) in Rajasthan.

(c) The present anticipated cost estimates of the projects under construction are as follows (cost in crores of Rupees) :—

Kakrapar 1&2	1335	(1025 basic cost+310 interest during construction)
Karga 1&2	2275	(1590 basic cost+685 interest during construction)
Rajasthan 3&4	2107	(1450 basic cost+657 interest during construction)

(d) Kakrapar-2 is expected to achieve criticality during the second quarter of 1994. Kaiga 1& 2 are scheduled to achieve

criticality by June 1996 and December 1996 respectively and Rajasthan 3 & 4 by November 1996 and May 1997 respectively. Schedules for other units will be consistant with commencement scheduled of construction.

Export/Import of Heavy Water

4855. DR. SHRIKANT RAMCHANDRA JICHKAR : Will the PRIME MINISTER be pleased to state :

(a) whether the country is self sufficient in the production of Heavy Water or imports the same for our nuclear programme;

(b) what are the names of the countries from which India imports heavy water;

(c) whether India also exports Heavy Water; if so, to which countries;

(d) what is the total requirement of heavy water in our country; and

(e) what is the average unit price of heavy water ?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI BHUVNESH CHATURVEDI) : (a) The indigenous production of heavy water is adequate to meet the requirements of the operating and the new pressurised heavy water reactors under construction. Some surpluses are also expected.

(b) India does not import any heavy water at present.

(c) India has signed a contract with Republic of Korea for supply of 100 Tonnes of heavy water, for shipment during 1998.

(d) Each operating 220 MWe pressurised heavy water reactor requires on an average approximately 250 MTs of heavy water as initial inventory and 12 MTs of heavy water in a year as make-up.

(e) It is not in the national interest to disclose the cost of production.

Effect of Gatt Agreement on the Cost of Treatment of Ailments

4856. SHRI SUSHILKUMAR SAMBHAJIRAO SHINDE : Will the Minister of CHEMICALS AND FERTILIZERS be pleased to state :

(a) what percentage of Anti-biotics Anti-leprosy drugs, Tranquilisers, Cardio-Vascular drugs, Anti-Diabetics and Contraceptive drugs in use in India fall in the category of patented drugs; and

(b) how far the cost of treatment of the respective ailment is likely to increase with the enforcement of Dunkel Draft of GATT agreement, as adopted ?

THE MINISTER OF STATE IN THE MINISTRY OF CHEMICALS AND FERTILIZERS (SHRI EDUARDO FALEIRO) : (a) To the extent information is available, it is estimated that the share of drugs covered by patents abroad which are currently sold in the Indian market is less than 15% in any of the categories referred to in the question.

(b) The prices of drugs (including patented drugs) which are currently in the market will not be affected on account of the GATT accord.

Rising Prices of Drugs

4857. SHRI KRISHAN LAL SHARMA: Will the Minister of CHEMICALS AND FERTILIZERS be pleased to state:

(a) whether it is a fact that the prices of drugs are constantly rising and quality deteriorating;

(b) if so, what are the safeguards provided to a consumer in this regard;

(c) whether it is a fact that pharmaceutical companies are allowed to sell their drugs under their trade name which number about 5000 whereas there are only 260 basic drugs; and

(d) if so, what steps Government propose to control the spurt in brand names ?

THE MINISTER OF STATE IN THE MINISTRY OF CHEMICALS AND FERTILIZERS (SHRI EDUARDO FALEIRO) : (a) and (b) No. Sir. The prices are regulated in accordance with the provisions of the DPCO, 1987. The quality of drugs is required to be in accordance with the provisions of the Drugs and Cosmetics Act.